

Title (en)

FUEL FILTER, IN PARTICULAR FOR MOTOR VEHICLES

Title (de)

KRAFTSTOFFFILTER, INSBESONDERE FÜR KRAFTFAHRZEUGE

Title (fr)

FILTRE À CARBURANT, EN PARTICULIER POUR DES VÉHICULES À MOTEUR

Publication

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Application

EP 05823616 A 20051219

Priority

- EP 2005056905 W 20051219
- DE 102005000658 A 20050104

Abstract (en)

[origin: WO2006072545A2] The invention relates to a fuel filter (10) comprising a filter element (12) which is used to filter particles and water from fuel flowing through the fuel filter (10), and a dehydrator (14) for draining the filtered water from the fuel filter (10). The invention is characterised in that the dehydrator (14) is embodied as an independent component which can be separated, as desired, from the filter element (12). Also, a semi-permeable membrane (78), which is permeable to water and which lies in a flat manner on the carrier (76), is provided. Alternatively or additionally, the dehydrator (14) comprises a porous element (76) which is used to evaporate the separated water. In another embodiment, said fuel filter comprises a dehydrator (14) which is provided with two water-permeable, semi-permeable and hydrophilic membranes (78). Finally, a filter element (12), which is essentially hollow and cylindrical, is provided and the dehydrator (14) is arranged at least sectionally in the inside of the hollow cylinder.

IPC 8 full level

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